

Manual Testing Plan

Test Objective: Ensure end-to-end core functionality of web platform for **Data Preprocessing, Compute Summary Measures, and Compile Data** pages.

Step 1: FRDR Query

1. Navigate to **STEP 1: FRDR Query**.
 2. Apply filter: **Trial** → Enter trial id: [1](#).
 3. Click **Apply**, then **Load Data from FRDR** button.
 - **Expected Outcome:** Pop-up message: "[FRDR data loaded successfully!](#)"
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Step 2: Data Preprocessing

1. Navigate to **STEP 2: Data Preprocessing**.
2. Verify **Trial ID: 1** appears in **Available Trials**.
3. Select **Trial ID: 1** checkbox.

Scenario 1: Fetch Preprocessed

- Click **Fetch Preprocessed**.
- **Expected Outcome:** Pop-up: "[An error occurred while fetching preprocessed data.](#)"
- Proceed to Scenario 2.

Scenario 2: Preprocess Data

1. Click **Preprocess**.
 - **Expected Outcome:**
 - Loading wheel appears.
 - After a few minutes, two files appear in the **Result** section:
 - [preprocessed_trial_1.csv](#)
 - [parameters_trial_1.csv](#)
 2. Select both files → Click **Download Selected**.
 3. Handle any browser popup (i.e. “http://ratbat.cas.mcmaster.ca/ wants to Download multiple files” click “Allow”) for multiple file downloads.
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Step 3: Compute Summary Measures

1. Navigate to **STEP 3: Compute Summary Measures**.
2. A popup tip appears → Close it using the “x” button.
3. Verify [preprocessed_trial_1.csv](#) appears in **Preprocessed Trials** after a few seconds.
4. Select:
 - **Select All** in **Summary Measures**.
 - **Checkbox** for [preprocessed_trial_1.csv](#).
 - Click **Apply**.
 - **Expected Outcome:** Table displays trial ID with computed summary measures.
5. Change precision:
 - Locate **Select Precision:** dropdown (default: 2 Decimals).

- Select **10 Decimals**.
 - **Expected Outcome:** Some values update to 10 decimal places while others stay whole numbers.
6. Select the table checkbox → Click **Download Selected** → Verify file matches table data.
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Step 4: Compile Data

1. Navigate to **STEP 4: Compile Data**.
2. Verify displayed sections:
 - **Metadata Variables** (several items).
 - **Summary Measures** (all used from Step 3).
 - **Preprocessed Trials** ([preprocessed_trial_1.csv](#)).
3. Click **Select All** in each section.
 - **Expected Outcome:** Preview table updates each time.
 - Metadata variables mostly empty for Trial 1.
 - Summary Measures match values from Step 3.
4. Scroll using the horizontal bar in the table to verify all data is present.
5. Click **Download Compiled Data** → Verify file matches table data.